

Title (en)  
Method for reallocating data in a discrete multi-tone communication system

Title (de)  
Verfahren zur Wiederzuordnung der Daten in einem Vermittlungssystem mit Mehrtonmodulation (DMT)

Title (fr)  
Procédé de réallocation de données dans un système de communication multiporteur (DMT)

Publication  
**EP 0918422 A3 19991020 (EN)**

Application  
**EP 98121761 A 19981116**

Priority  
US 97647297 A 19971124

Abstract (en)  
[origin: EP0918422A2] In the present invention, an ADSL system (10) determines if a bit swap is to occur based upon a projected margin of a best carrier and a current margin of a worst carrier. If a proposed swap is not beneficial (320, 512, 604, 612) no swap occurs. In addition, the present invention determines the effects of a bit swap on an error correction scheme (510, 611). If the swap effects the scheme, adjustments to system parameters are made to assure continued error correction. In addition, the present invention allows for bit swapping to and from bins containing zero or two bits respectively (331, 332, 403). <IMAGE>

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IPC 8 full level  
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